Multi-Homing Dual WAN Firewall Router

Quick Installation Guide

M73-APO09-400

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Multi-Homing Dual WAN Firewall Router Overview

The Multi-Homing Dual WAN Firewall Router provides three 10/100Mbit Ethernet network interface ports which are the LAN, WAN 1, and WAN 2 port. It also provides an easily operated software WebUI that allows users to set system parameters or monitor network activities using a web browser.

Multi-Homing Dual WAN Firewall Router security feature

Some functions that are available in the Multi-Homing are: Packet Filter, Proxy Server, Hacker invasion alarm, Packet monitor log, Policy, etc.

Multi-Homing Dual WAN Firewall Router installation

This product is a hardware Multi-Homing. Therefore the installation is much easier than a software Multi-Homing. First the user has to prepare three network cables, and connect them to the **LAN**, **WAN 1** and **WAN 2** connectors respectively. The LAN interface has to connect to the office's LAN network on the same HUB/Switch. The **WAN 1** interface has to connect with a **WAN 1** router, DSL modem, or Cable modem. The **WAN 2** interface has to connect with a **WAN** 2 router, DSL modem, or Cable modem.

Multi-Homing Dual WAN Firewall Router function setting

The Multi-Homing Dual WAN Firewall Router has a built in WEBUI (Web User Interface). All configurations and management are done through the WEBUI using an Internet web browser.

Multi-Homing Dual WAN Firewall Router monitoring function

The Multi-Homing provides monitoring functions which contains traffic log, event log, traffic alarm, event alarm, and traffic statistics. Traffic alarm records the packets of hacker invasions. Not only does the Multi-Homing log these attacks, it can be set up to send E-mail alerts to the Administrator automatically for immediate hacker's invasion crisis management.

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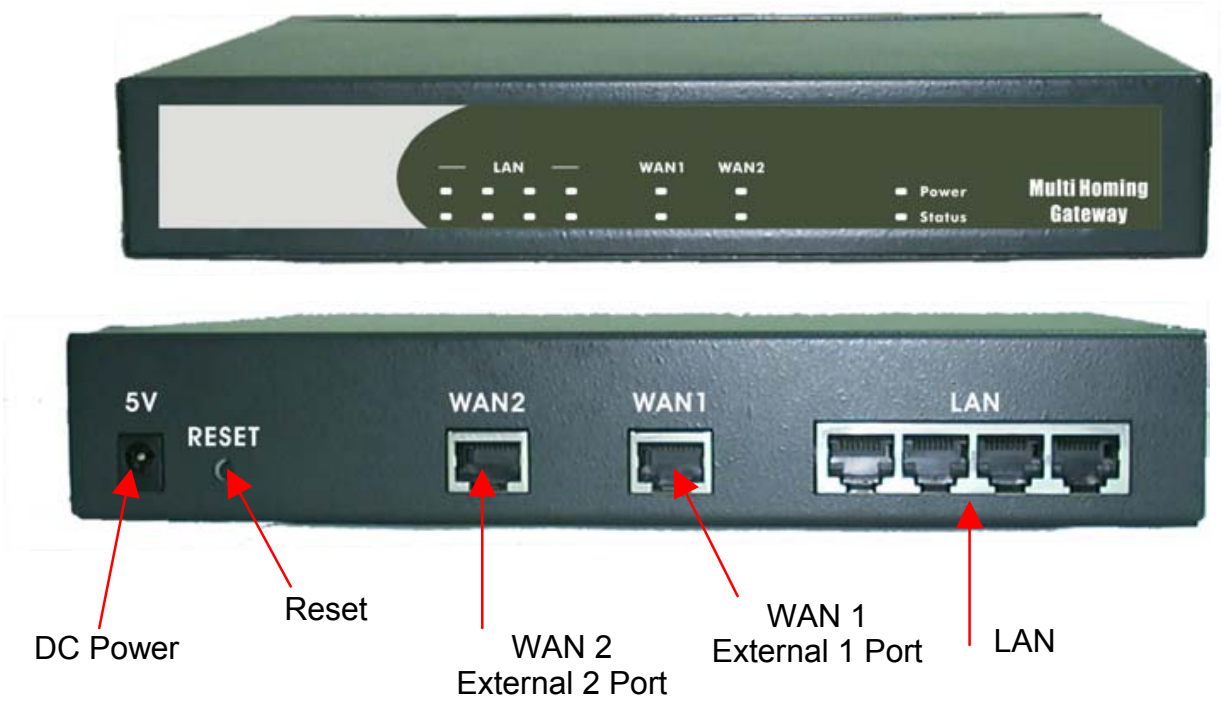
Multi-Homing Dual WAN Firewall Router supporting protocols

The Multi-Homing Dual WAN Firewall Router supports all the TCP, UDP and ICMP protocols, such as HTTP, TELNET, SMTP, POP3, FTP, DNS, PING, etc. System Administrators can set up proprietary protocols according to operating requirements.

Hardware Description



External Port (WAN 1): Use this port to connect to the WAN 1 router, DSL modem, or Cable modem.

External Port (WAN 2): Use this port to connect to the WAN 2 router,

DSL modem, or Cable modem.

LAN Port (LAN): Use this port to connect to the LAN network of the office.

Reset: Reset the Multi-Homing Dual WAN Firewall Router to the original default settings.

DC Power: connect one end of the power supply to this port, the other end to the electrical wall outlet.

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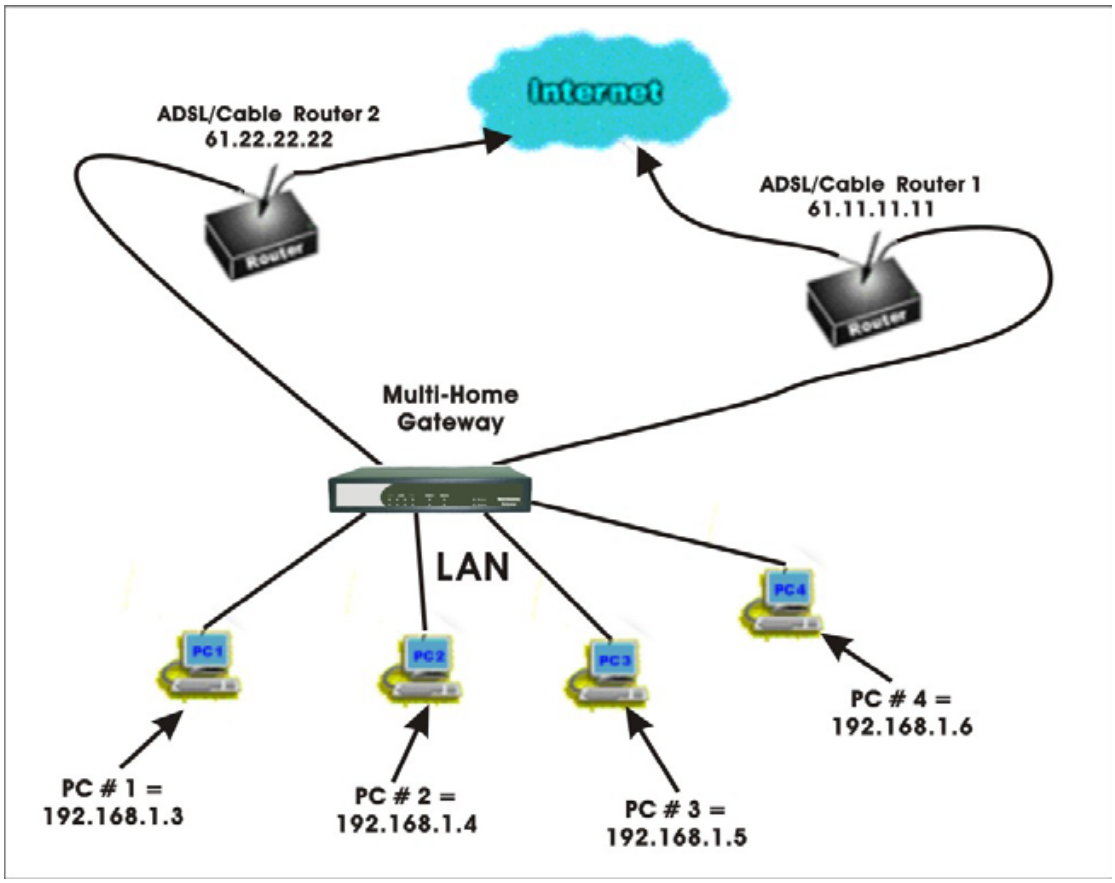
Connecting Example:



Multi-Homing:

LAN Port = 192.168.1.1

WAN 1 Port = x.x.x.x (provided by ISP)

WAN 2 Port = x.x.x.x (provided by ISP)

Connection Type: 10/100 Mbps Cable Connection

【LAN 1 Port】= **192.168.1.3**

【LAN 2 Port】= **192.168.1.4**

【LAN 3 Port】= **192.168.1.5**

【LAN 4 Port】= **192.168.1.6**

【WAN 1 Port】= **61.11.11.11**

【WAN 2 Port】= **61.22.22.22**

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Multi-Homing Dual WAN Firewall Router Software (management tool) description

System
Allows user to set system administration options: Such as user name,password and email alert, Configure firewall;perform system update
Interface
Allows user to set LAN /WAN 1 /WAN 2 Interface
Address
Allows user to assign names to IP addresses, subnets and networks.
Service
Allows the user create Service groups
Schedule
Allows scheduling to be set for the firewall policies.
Policy
Allows user to creale Policies that control what can pss through the firewall.
Outgoing
Incoming
VPN
Define Virtual Private Network configuration.
Content Filtering
Content filtering includes URL Blocking and general filtering.
Virtual Server
Configure Virtual IP Addresses
Log
Virw log details for each policy in which logging is enabled. View system evenls.
Alarm
View alarm information for each policy in which alarm thresholds are met.
Statistics
View statistcs for each policy
Status
Diskplays the status information for the MH-200

Multi-Homing Dual WAN Firewall Router management tool: WebUI

The main menu functions are located on the left-hand side of the screen, and the display window will be on the right-hand side. The main functions include 12 items, which are: Administrator, Configuration, Address, Service, Schedule, Policy, VPN, Virtual Server, Log, Alarm, Statistics, and Status.

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Quick Setup

WebUI Configuration example

STEP 1:

Connect both the Administrator's PC and the LAN port of the Multi-Homing Dual WAN Firewall Router to a hub or switch. Make sure there is a link light on the hub/switch for both connections. The Multi-Homing Dual WAN Firewall Router has an embedded web server used for management and configuration. Use a web browser to display the configurations of the Multi-Homing (such as Internet Explorer 4(or above) or Netscape 4.0(or above) with full java script support). The default IP address of the Multi-Homing is **192.168.1.1** with a subnet mask of 255.255.255.0. Therefore, the IP address of the Administrator PC must be in the range between 192.168.1.2 /24– 192.168.1.254/24.

If the company's LAN IP Address is not subnet of 192.168.1.0, (i.e. LAN IP Address is 172.16.0.1) the Administrator must change his/her PC IP address to be within the same range of the LAN subnet (i.e. 192.168.0.0). Reboot the PC if necessary.

By default, the Multi-Homing Dual WAN Firewall Router Multi-Homing is shipped with its DHCP Server function enabled. This means the client computers on the LAN network including the Administrator PC can set their TCP/IP settings to automatically obtain an IP address from the Multi-Homing Dual WAN Firewall Router.

The following table is a list of private IP addresses. These addresses may not be used as a WAN 1 IP address.

10.0.0.0 ~ 10.255.255.255
172.16.0.0 ~ 172.31.255.255
192.168.0.0 ~ 192.168.255.255

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STEP 2:

Once the Administrator PC has an IP address on the same network as the Multi-Homing Dual WAN Firewall Router, open up an Internet web browser and type in http://92.168.1.1 in the address bar.

A pop-up screen will appear and prompt for a username and password. A username and password is required in order connect to the Multi-Homing. Enter the default login username and password of Administrator (see below).

Username: admin

Password: admin

Click OK

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STEP 3:

After entering the username and password, the Multi-Homing Dual WAN Firewall Router WEBUI screen will display.

Select the **Interface** tab on the left menu and a sub-function list will be displayed.

Click on LAN from the sub-function list, and enter proper Layer 3 network setup information. (for example)

LAN interface	IP Address	192.168.1.1
	NetMask	255.255.255.0

Select the **Interface** tab on the left menu and a sub-function list will be displayed.

Click on **WAN** from the sub-function list, and enter proper Layer 3 network setup information.

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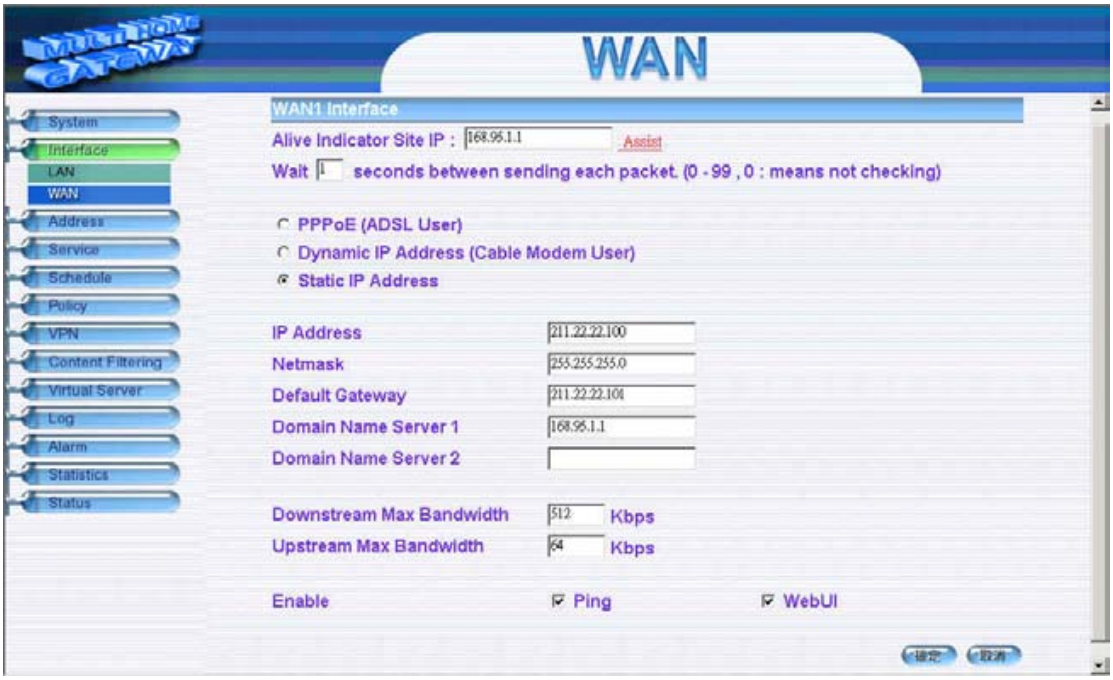
Click **Modify** to modify WAN 1/2 settings.



Note: The above figures are only examples. Please fill in the appropriate IP address information provided to you by the ISP.

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STEP 4:

Click on the **Policy** tab from the main function menu, and then click on **Outgoing** from the sub-function list.

Click on **New Entry** button.

When the **New Entry** option appears, then enter the following configuration:

Source Address – select **"Inside_Any"**

Destination Address – select **"Outside_Any"**

Service - select **"ANY"**

Action - select **"Permit"**

Click on **OK** to apply the changes.

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STEP 5:

The configuration is successful if you see the screen below. Make sure that all the computers that are connected to the LAN port have their Default Gateway IP Address set to the Multi-Homing's LAN IP Address (i.e. 192.168.1.1). At this point, all the computers on the LAN network should gain access to Internet immediately. If a Multi-Homing filter function is required, please refer to the Policy section.

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